



**MICRO LABORATORY
GENERAL
EQUIPMENT SET**

**Support and Consumables
Handbook**

6545-01-505-2714

UA N403

LIN M48987

DRAFT

May 2007

U.S. Army Medical Materiel Agency

The information contained in this manual was prepared
by the U.S. Army Medical Materiel Agency,
Materiel Acquisition Directorate,
Ancillary Care Division,
Fort Detrick, MD

This manual is still in draft form and may contain inaccuracies. To report inaccuracies or additions, please contact 301-619-4301/4316, DSN 343-4301/4316, or USAMMACRM@amedd.army.mil. Responses may also be mailed to:

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NOTE: CLICK ON TITLE
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MICROBIAL IDENTIFICATION SYSTEM AUTOSCAN 4 TOC

DADE BEHRING, INC.

MODEL #: B1018-502

Manufacturer's PHONE: (847) 267-5300 FAX: (770) 291-1968

Website: <http://www.dadebehring.com>

AAC "W" ITEM NSN 6640-01-508-7362

AAC "J" ITEM NSN 6640-01-463-0068

UA's: N403

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$47,504.03

System Description: This system processes panels in seconds, simplifying ID/AST testing while standardizing results. Exceptional instrument reliability and dried conventional panel technology thus providing the fewest FDA limitations in automated ID/AST. This makes the autoSCAN® 4 an excellent supplemental system for difficult organisms.

This system includes the following equipment items:

- LabPro Computer and Monitor
- ONEAC Line Conditioner
- LabPro Printer Xerox
- Renok

Features: The LabPro Information Manager and LabPro Alert System eliminates manual review for unusual conditions or results and integrates institution-specific resolution guidance into your workflow. Operation is easy to use and easy to learn, with minimal training.

Performance Processes:

- Dried Conventional panels – Direct MIC, the most sensitive susceptibility methodology, helps you zero in on emerging resistance.
- Chromogenic panels – Fast identification for yeast and fastidious organisms.



**AUTOSCAN 4 SYSTEM
MODEL # B1018-502
NSN # 6640-01-463-0068**

AUTOSCAN 4 SYSTEM PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

AUTOSCAN 4 Dimensions	Height	10 inches
	Width	19 inches
	Depth	23 inches
Cube		2.5 cu ft
Weight		40 lbs
Operating Temperature		60°F to 90°F
Storage Temperature		-22°F to 104°F
Operating Relative Humidity Non-condensing		0 % to 95 % (no condensation)
Storage Relative Humidity Non-condensing		0 % to 95 % (no condensation)
Power Requirements		Line voltage: 105/115/230 VAC +/- 10% Line frequency: 60/50 Hz +/- 10% Line current: 2.00A MAX. (115 V), 1.25A MAX. (230 V) Leakage current: Less than 500 uA
Amps		1.91 amps
Watts		220 watts



**LABPRO COMPUTER & MONITOR
PART # B1018-510**



**ONEAC LINE CONDITIONER
PART # PC750A
FRONT VIEW**



**ONEAC LINE CONDITIONER
PART # PC750A
BACK VIEW**



**LABPRO PRINTER
XEROX
PART # Phaser™ 3150**



**RENOK
PART # B1018-14**



**RENOK
PART # B1018-14
SHOWN WITH TEST PANELS**

AUTOSCAN 4 SYSTEM (START-UP)

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONU S Ship Time, weeks
6640014630068	Included W/NSN	Microbial Identification System Autoscan 4	B1018-502	1	EA	\$47,504.03	\$47,504.03	Dade Behring Inc	indef.	N	3
	Included W/NSN	LabPro Computer and Monitor	B1018-510	1	EA	\$10,000.00	\$10,000.00	Dade Behring Inc	indef.	N	3
	Included W/NSN	Line Conditioner	PC750A	1	EA	\$525.00	\$525.00	Oneac	indef.	N	3
	Included W/NSN	Printer LabPro	3150	1	EA	\$349.00	\$349.00	Xerox	indef.	N	3
	Included W/NSN	RENOK	B1018-14	1	EA	\$400.00	\$400.00	Dade Behring Inc	indef.	N	3

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THE AUTOSCAN 4 SYSTEM

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrigeration Y/N	CONUS Ship Time, weeks
6810012240164	IN THE UA PUSH PACKAGE	Alpha Naphthol 0.5 GM used W/Autoscan-4 and Touchscan System	B1010-42A	1	EA	\$8.24	\$8.24	Dade Behring Inc	36	N	3
6550012675527	IN THE UA PUSH PACKAGE	Xylene Reagent Liquid 30 ML	B1015-5	1	VI	\$8.58	\$8.58	Dade Behring Inc	12	N	3
6550013155298	IN THE UA PUSH PACKAGE	Kovacs Reagent 30 ML	B1010-41A	1	BT	\$15.32	\$15.32	Dade Behring Inc	indef.	N	3
6550012732392	IN THE UA PUSH PACKAGE	Peptidase Test Reagent sufficient for 600 tests 30 ML	B1013-30B	1	BT	\$15.84	\$15.84	Dade Behring Inc	12	N	3
6550013136196	IN THE UA PUSH PACKAGE	Ferric Chloride Solution 30 ML Reagent used W/Microscan System	B1010-48A	1	BT	\$16.25	\$16.25	Dade Behring Inc	24	N	3
6550014983145	IN THE UA PUSH PACKAGE	Indole Test Reagent 30 ML F/Use W/Microspan Panels	B1015-17	1	EA	\$17.85	\$17.85	Dade Behring Inc	indef.	N	3
6640013145991	IN THE UA PUSH PACKAGE	Cover Tray Laboratory plastic covers F/Microscan panels 12s	B1010-56B	1	12/PG	\$22.69	\$22.69	Dade Behring Inc	indef.	N	3
6550013100613	IN THE UA PUSH PACKAGE	Antimicrobial Inoculation & Preparation Kit 60 procedures	B1026-10D	2	EA	\$169.20	\$338.40	Dade Behring Inc	12	N	3
6550015041159	IN THE UA PUSH PACKAGE	Culture Medium Gram Negative Break Point Combo Type 30 F/Microscan	B1017-306	1	30/PG	\$267.50	\$267.50	Dade Behring Inc	4	N	3
6550015362120	IN THE UA PUSH PACKAGE	Codebook Identification Gram Positive Organism	B1014-46B	1	EA	\$310.00	\$310.00	Dade Behring Inc	indef.	N	3
6550015362123	IN THE UA PUSH PACKAGE	Codebook Identification Gram Negative Organism	B1010-66D	1	EA	\$310.00	\$310.00	Dade Behring Inc	indef.	N	3
6550015015021	IN THE UA PUSH PACKAGE	Combo 20 Panels Microscan to Perform Aerobic Gram Positive Test 20	B1017-202	1	20/PG	\$170.80	\$170.80	Dade Behring Inc	indef.	N	3
6640013104970	IN THE UA PUSH PACKAGE	Inoculator Set C/O Seed Trough & Transfer lid plastic Disposable 240s	B1013-4	1	EA	\$301.92	\$301.92	Dade Behring Inc	indef.	N	3
6550015003730	IN THE UA PUSH PACKAGE	Sodium Hydroxide Solution 30ML	B1015-3	1	BT	\$17.98	\$17.98	Dade Behring Inc	indef.	N	3
6550013136198	IN THE UA PUSH PACKAGE	Sulfanilic Acid Reagent 30 ML	B1010-44A	1	BT	\$13.33	\$13.33	Dade Behring Inc	24	N	3
6550015002412	IN THE UA PUSH PACKAGE	Culture Control API NH Microscan Culti-Loop Set 20s	R4653070	1	20/PG	\$216.00	\$216.00	Fisher Scientific Company LLC	indef.	N	3
6640013285198	IN THE UA PUSH PACKAGE	Seal Strip Aerobic Anaerobic Identification Test Panel 600s	B1010-51	1	600/PG	\$151.83	\$151.83	Cardinal Health 200 Inc	indef.	N	3
6550012375406	IN THE UA PUSH PACKAGE	Potassium Hydrox 30ML	B1010-43	1	BT	\$13.33	\$13.33	Cardinal Health 200 Inc	indef.	N	3
6550015010965	IN THE UA PUSH PACKAGE	Control Streptococcus Pneumoniae to Grow Culture Control Organisms	19301	1	EA	\$27.03	\$27.03	Remel Inc	18	N	3
6550015002390	IN THE UA PUSH PACKAGE	Culture Control Gram Positive Panel Microscan Culti-Loop Set 5s	4661001	1	5/PG	\$162.49	\$162.49	Remel Inc	indef.	N	3
6550015002372	IN THE UA PUSH PACKAGE	Culture Control Gram Negative Panel Microscan Culti-Loop Set	4661000	1	5/PG	\$144.00	\$144.00	Remel Inc	indef.	N	3

AUTOSCAN 4 SYSTEM (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6810012240164	Alpha Naphthol 0.5 GM used W/Autoscan-4 and Touchscan System	B1010-42A	1	EA	\$8.24	\$8.24	Dade Behring Inc	36	N	3
6550012675527	Xylene Reagent Liquid 30 ML	B1015-5	1	VI	\$8.58	\$8.58	Dade Behring Inc	12	N	3
6550013155298	Kovacs Reagent 30 ML	B1010-41A	1	BT	\$15.32	\$15.32	Dade Behring Inc	indef.	N	3
6550012732392	Peptidase Test Reagent sufficient for 600 tests 30 ML	B1013-30B	1	BT	\$15.84	\$15.84	Dade Behring Inc	12	N	3
6550013136196	Ferric Chloride Solution 30 ML Reagent used W/Microscan System	B1010-48A	1	BT	\$16.25	\$16.25	Dade Behring Inc	24	N	3
6550014983145	Indole Test Reagent 30 ML F/Use W/Microscan Panels	B1015-17	1	EA	\$17.85	\$17.85	Dade Behring Inc	indef.	N	3
6640013145991	Cover Tray Laboratory plastic covers F/Microscan panels 12s	B1010-56B	1	12/PG	\$22.69	\$22.69	Dade Behring Inc	indef.	N	3
6550013100613	Antimicrobial Inoculation & Preparation Kit 60 procedures	B1026-10D	2	EA	\$169.20	\$338.40	Dade Behring Inc	12	N	3
6550015041159	Culture Medium Gram Negative Break Point Combo Type 30 F/Microscan	B1017-306	1	30/PG	\$267.50	\$267.50	Dade Behring Inc	4	N	3
6550015362120	Codebook Identification Gram Positive Organism	B1014-46B	1	EA	\$310.00	\$310.00	Dade Behring Inc	indef.	N	3
6550015362123	Codebook Identification Gram Negative Organism	B1010-66D	1	EA	\$310.00	\$310.00	Dade Behring Inc	indef.	N	3
6550015015021	Combo 20 Panels Microscan to Perform Aerobic Gram Positive Test 20	B1017-202	1	20/PG	\$170.80	\$170.80	Dade Behring Inc	indef.	N	3
6640013104970	Inoculator Set C/O Seed Trough & Transfer lid plastic Disposable 240s	B1013-4	1	EA	\$301.92	\$301.92	Dade Behring Inc	indef.	N	3
6550015003730	Sodium Hydroxide Solution 30ML	B1015-3	1	BT	\$17.98	\$17.98	Dade Behring Inc	indef.	N	3
6550013136198	Sulfanilic Acid Reagent 30 ML	B1010-44A	1	BT	\$13.33	\$13.33	Dade Behring Inc	24	N	3
6550015002412	Culture Control API NH Microscan Culti-Loop Set 20s	R4653070	1	20/PG	\$216.00	\$216.00	Fisher Scientific Company LLC	indef.	N	3
6640013285198	Seal Strip Aerobic Anaerobic Identification Test Panel 600s	B1010-51	1	600/PG	\$151.83	\$151.83	Cardinal Health 200 Inc	indef.	N	3
6550012375406	Potassium Hydrox 30ML	B1010-43	1	BT	\$13.33	\$13.33	Cardinal Health 200 Inc	indef.	N	3
6550015010965	Control Streptococcus Pneumoniae to Grow Culture Control Organisms	19301	1	EA	\$27.03	\$27.03	Remel Inc	18	N	3
6550015002390	Culture Control Gram Positive Panel Microscan Culti-Loop Set 5s	4661001	1	5/PG	\$162.49	\$162.49	Remel Inc	indef.	N	3
6550015002372	Culture Control Gram Negative Panel Microscan Culti-Loop Set	4661000	1	5/PG	\$144.00	\$144.00	Remel Inc	indef.	N	3
	Printer Toner Cartridge	109R00746	1	EA	\$99.99	\$99.99	Xerox	indef.	N	3

CABINET BIOLOGICAL SAFETY TOC

GERMFREE LABORATORIES INC

MODEL #: BBF-2SS-CH

Manufacturer's PHONE: (386) 677-7742 FAX (386) 677-2651

Website: <http://germfree.com/bc2.htm>

ACC "J" ITEM NSN 6640-01-498-4194

UA's: N403

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$3,723.00

System Description: The Class II, Type A biosafety cabinets are used to protect personnel, product and environment from bioaerosols and particulates. These hoods offer personnel protection through negative pressure airflow into the cabinet.

To protect the product, the work area in the biosafety cabinets is continuously bathed with ultra-clean air provided by the supply HEPA filter. Approximately 70% of the air from each cycle is recirculated through this supply HEPA filter. The remaining air (approximately 30%) is discharged from the hood through the exhaust HEPA filter, protecting the environment.

Although not required for the majority of uses, all of our biosafety cabinets have the capability of being vented to the outside.

Features: The Class II Laminar Flow Biological Safety Cabinet, or the Biosafety Cabinet, combines product, operator and environmental protection. It was developed to provide protection from diverse types of biohazardous material. The biosafety cabinet is similar to the conventional fume hood in providing protection for the operator. It differs from the conventional fume hood by also offering protection for the work in progress and the environment.

Standard Features include: A variable speed motor control, perforated filter diffuser/protector, ten foot power cord with grounded plug and differential pressure gauge.

- Supply and exhaust filters are parallel to work area and each other to prevent turbulence.
- Contoured, concave ergonomic viewing panel allows operator to place their head over the work. Viewing panel is hinged and removable to provide full access to 29" high work area.
- Perforated stainless steel work tray support is angled to prevent blockage of air circulation and insure containment.
- Solid stainless steel work tray and its support are both easily removable for cleaning and decontamination of all interior surfaces of the hood.

- Dual non-glare fluorescent lights are externally mounted minimizes heat build-up in cabinet.

Class II (types A and B) are Laminar Flow Biological Safety Cabinets that protect personnel, product and environment. They provide inward airflow to protect personnel, downflow HEPA filtered air to the work area to protect the product and exhaust HEPA filtered air to protect the environment from particulate and aerosol hazards.

Note: All GERMFREE Class II, type A biosafety cabinets can be converted into a Class II, type A2 unit by adding an appropriate exhaust system.



**CABINET BIOLOGICAL SAFETY
PART # BBF-2SS-CH
NSN # 6640-01-498-4194**

CABINET BIOLOGICAL SAFETY PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	54.5 inches
	Width	24 inches
	Depth	23.5 inches
Cube		17.78 cu ft
Weight	Free Standing	220 lbs
	Shipping	290 lbs
Altitude up to		6,561.67 feet
Operating Temperature Range		41° F to 104° F
Storage Temperature Range		-4° F to 140° F
Relative Humidity (in use)		80% for temperatures up to 87.8° F decreasing linearly to 50% relative humidity at 104° F
Relative Humidity (storage)		85% or less non-condensing
Exhaust Airflow Volume cfm		125 cfm
Thermal Output BTU		1500 BTU
Power Requirements		120 VAC 60Hz
amps		4.6 amps
Watts		552 watts

CABINET BIOLOGICAL SAFETY (START-UP)

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014984194	Included W/NSN	Cabinet Biological Safety	BBF-2SS-CH	1	EA	\$3,723.00	\$3,723.00	Germfree Laboratories	indef.	N	3
See Resupply	Included W/NSN	Fluorescent Tubes		1	EA			Germfree Laboratories	indef.	N	3
See Resupply	Included W/NSN	HEPA Filters (Supply) 22"x20"x3"	BBF 2SS-HF2S	1	EA			Germfree Laboratories	indef.	N	3
See Resupply	Included W/NSN	HEPA Filters (Exhaust) 8"x18"x6"	BBF 2SS-HF2E	1	EA			Germfree Laboratories	indef.	N	3

CABINET BIOLOGICAL SAFETY (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6240011682589	Fluorescent Tubes	20T12	1	EA	\$7.01	\$7.01	General Electric	indef.	N	3
	HEPA Filters (Supply) 22"x20"x3"	BBF 2SS-HF2S	1	EA	\$195.00	\$195.00	Germfree Laboratories	indef.	N	3
	HEPA Filters (Exhaust) 8"x18"x6"	BBF 2SS-HF2E	1	EA	\$155.00	\$155.00	Germfree Laboratories	indef.	N	3

CENTRIFUGE LAB TOC

THERMO ELECTRON CORPORATION

MODEL #: 8464

Manufacturer's PHONE: (508) 482-7000 FAX (508) 634 2112

Website: <http://www.thermo.com/com/cda/product/detail/1,1055,23442,00.html>

ACC "W" ITEM NSN 6640-01-205-2423

ACC "J" ITEM NSN 6640-01-499-0533

UA's: N303, N403, N436, N503, N703

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$7,297.63

System Description: This Centrifuge is a high performance/high speed mid-sized multipurpose bench style (4 X 250ML.) The Centrifuge can hold several different styles of tubes, bottles or vessels; ventilated centrifuge with a premium accessory set designed to support a range of demanding applications, protein research, molecular biology and general research.

The IEC Multi series has advantages that lead to consistent separation results, including G-force run control, exclusive AT-Speed Timer and Re-Run control, and automatically controlled Fast Cooling/Warming to the temperatures required for your protocol thus eliminating run to run variations. Exercising control over variables maximizes yields, reduces the chance for operator error and establishes critical baseline for sample preparation.

Features: High speed: 50 ml Falcon/Corning conical tube capacity. Unique fixed angle rotor takes 50ml to 25,000+ g.

Optional: High microplate capacity: Double Deep rotor accepts up to 10 standard microplates or 4 deep well microplates in one run.

Powerful programming interface: Keypad entry allows close control of centrifuge parameters with 98 stored programs and 7 minute auto cool / auto warm feature.

Outstanding rotor capability: Including swinging bucket for sealed Aerocarrier® and adapters. Exclusive autoclavable Aerocarrier® adapters contain aerosols consistent with OSHA's bloodborne pathogen rule. Adapters can be removed from rotor for transport and easily sealed with screw-on, transparent lids.

Supports variety of applications:

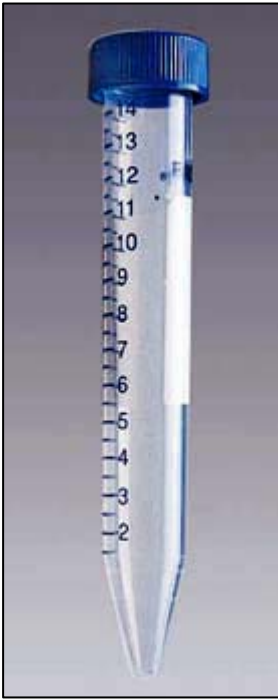
- Nucleic acid purification (8848 microtube rotor)
- Microplate/filter plate centrifugation (8244*SB)
- Cell culture (8947 *SB and 8850 *FA)
- Gradient separation, e.g. for proteins (8850 *FA)



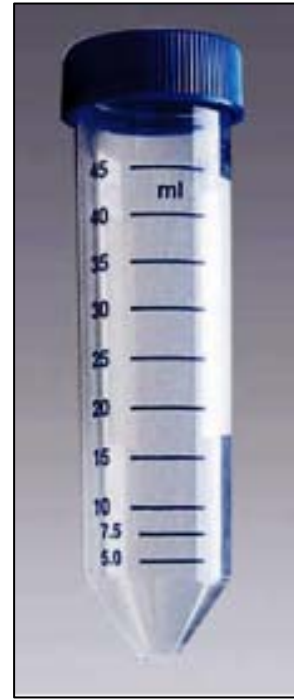
**CENTRIFUGE LAB
MODEL # 8464
NSN # 6640-01-499-0533**

CENTRIFUGE LAB PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	15.75 inches
	Width	20.5 inches
	Depth	25.75 inches
Cube		4.81 cu ft
Weight	Free Standing	175 lbs
	Shipping	232 lbs
Operating Temperature Range		50° F to 95°F
Storage Temperature Range		20°F to 70°F
Relative Humidity (in use)		20% to 90%
Relative Humidity (storage)		5% to 95%
Power Requirements		120 VAC 60 Hz
amps		8 amps
Watts		960 watts



**TUBE CENTRIFUGE K8 120MM OA
LG 15ML
PART # 14-959-70C**



**TUBE CENTRIFUGE PLASTIC K8
THREADED TOP 115MM
PART # 2098**

CENTRIFUGE LAB (START-UP)

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014990533	Included W/NSN	Centrifuge Lab	8464	1	EA	\$7,297.63	\$7,297.63	Thermo Electron Corp	indef	N	3
6640014991632	Included W/NSN	Rotor Centrifuge Swinging Bucket	8947	1	EA	\$2,12.50	\$2,212.50	Thermo Electron Corp	indef	N	3
6640014991637	Included W/NSN	Adapter Centrifuge Areocarrier 5 slot	6561E	1	EA	\$194.58	\$194.58	Thermo Electron Corp	indef	N	3
6640014991640	Included W/NSN	Adapter Centrifuge tube multi-series 2 slot	6560E	1	EA	\$173.86	\$173.86	Thermo Electron Corp	indef	N	3
6640015004272	Included W/NSN	Adapter Centrifuge tube 250ml hole diameter	6558E	2	PR	\$346.02	\$692.04	Thermo Electron Corp	indef	N	3

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THE CENTRIFUGE

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014991632	IN THE UA PUSH PACKAGE	Rotor Centrifuge Swinging Bucket	8947	1	EA	\$2,12.50	\$2,212.50	Thermo Electron Corp	indef	N	3
6640014991637	IN THE UA PUSH PACKAGE	Adapter Centrifuge Areocarrier 5 slot	6561E	1	EA	\$194.58	\$194.58	Thermo Electron Corp	indef	N	3
6640014991640	IN THE UA PUSH PACKAGE	Adapter Centrifuge tube multi-series 2 slot	6560E	1	EA	\$173.86	\$173.86	Thermo Electron Corp	indef	N	3
6640015004272	IN THE UA PUSH PACKAGE	Adapter Centrifuge tube 250ml hole diameter	6558E	2	PR	\$346.02	\$692.04	Thermo Electron Corp	indef	N	3
6640011635451	IN THE UA PUSH PACKAGE	Tube Centrifuge plastic K8 threaded top 115MM O/A LG 50ML cap ster	2098	1	500 /PG	\$67.32	\$67.32	Becton Dickinson Labware	indef.	N	3
6640014613240	IN THE UA PUSH PACKAGE	Tube Centrifuge K8 120MM O/A LG 1.5ML cap 500s	14-959-70C	1	500 /PG	\$144.20	\$144.20	Scientific Device	indef.	N	3

CENTRIFUGE LAB (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014991637	Adapter Centrifuge Areocarrier 5 slot	6561E	1	EA	\$194.58	\$194.58	Thermo Electron Corp	indef	N	3
6640014991640	Adapter Centrifuge tube multi-series 2 slot	6560E	1	EA	\$173.86	\$173.86	Thermo Electron Corp	indef	N	3
6640015004272	Adapter Centrifuge tube 250ml hole diameter	6558E	1	PR	\$346.02	\$346.02	Thermo Electron Corp	indef	N	3
6640011635451	Tube Centrifuge plastic K8 threaded top 115MM O/A LG 50ML cap ster	2098	1	500 /PG	\$67.32	\$67.32	Becton Dickinson Labware	indef.	N	3
6640014613240	Tube Centrifuge K8 120MM O/A LG 1.5ML cap 500s	14-959-70C	1	500 /PG	\$144.20	\$144.20	Scientific Device	indef.	N	3

INCUBATOR BACTERIOLOGICAL TOC

BARNSTEAD/THERMOLYNE CORP

MODEL #: 490

Manufacturer's PHONE: (563) 556-2241 FAX (563) 589-0516

Website: http://www.barnsteadthermolyne.com/search_modelnbr.cfm

ACC "W" ITEM NSN 6640-01-187-6621

ACC "J" ITEM NSN 6640-01-470-9099

UA's: N403

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$5,387.00

System Description: Air-Jacketed Automatic CO2 Incubator.

Features: Easy-to-read LED display scans between actual temperature and % CO2.

- Fast 7 minute CO2 recovery to 5% after 30 second door opening protects cultures.
- Corrosion-resistant polished stainless steel chamber features rounded corners for easy cleaning.
- Temperature adjustable heated door keeps inner glass door free of condensation for improved viewing of cultures.
- Keypad programming for fast, easy adjustment of parameters.
- Five shelves and supports can be removed and reinstalled without tools for complete decontamination and easier cleaning. Twelve shelf positions per chamber.
- Built-in RS232 port for transferring temperature and CO2 data to a printer.

Operation: CO2 concentration from 0-20% with $\pm 0.1\%$ control.

- Audible and visual alarms indicate temperature deviations of $\pm 1^{\circ}\text{C}$ or more, CO2 concentration deviations of 1% or greater, or when incubator door has been left open for more than five minutes.
- Independent hydraulic high limit thermostat protects cultures in case of microprocessor system failure



**INCUBATOR BACTERIOLOGICAL
MODEL # 490
NSN # 6640-01-470-9099**

INCUBATOR BACTERIOLOGICAL PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	34 inches
	Width	26.8 inches
	Depth	27.3 inches
Cube		14.39 cu ft
Weight		240 lbs
Chamber Volume		6.2 cu ft
Operating Temperature Range	Ambient	41°F to 140°F
Storage Temperature Range		Not Available
Relative Humidity (in use)		80% Max non-condensing
Relative Humidity (storage)		Not Available
Power Requirements		120VAC 50/60HZ
amps		7.1 amps
Watts		850 watts

REFRIGERATOR MECHANICAL BIOLOGICALS (STARTUP)

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014709099	Included W/NSN	Incubator Bacteriological	490	1	EA	\$5,387.00	\$5,387.00	Barnstead/Thermolyne Corp	indef.	N	3

REFRIGERATOR MECHANICAL BIOLOGICALS (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months
NONE								

MICROSCOPE OPTICAL LAB GENERAL PURPOSE TOC

NIKON INC

MODEL #: ECLIPSE 50i-TE-4PA TILT HEAD MIC

Manufacturer's PHONE: (631) 547-8500 EXT 8571 FAX: (631) 547-8652

Website: <http://www.nikonusa.com/template.php?cat=5&grp=25&productNr=50i>

AAC "J" ITEM NSN 6650-01-519-8473

UA's: 3263, 3207, 4905, 4912, 4914, F303, N303, N303, N304, N403, N436, N503, N703, N704

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$7,009.80

System Description: A standard laboratory microscope for use in a variety of clinical specialty setting. It includes objectives at the following magnification 4X, 10X, 40X, and 100X. It is also adaptable for high resolution bright field, dark field, EPI-Fluorescence and phase contrasts use. The light source (bulb), power cord, and optics are interchangeable with E400 (NSN 6650-01-501-2807.) The body tube contains an access port in back adaptable for use with a camera using "C" mount adapter. Includes case.



**MICROSCOPE
MODEL # ECLIPSE 50i-TE-4PA
NSN # 6650-01-519-8473**



MICROSCOPE OPTICAL LAB PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	22 inches
	Width	17 inches
	Depth	12.7 inches
Cube		2.75 cu ft
Weight		40 lbs
Operating Temperature Range		50° F to 95° F
Storage Temperature Range		Not to exceed 105 °F
Relative Humidity (in use)		Less than 85%, non-condensing
Relative Humidity (storage)		Less than 90%, non-condensing
Power Requirements		110/220 VAC
Amps		9 amps
Watts		148 watts

MICROSCOPE OPTICAL LAB (START-UP)

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6650015198473	Included W/NSN	Microscope Optical Lab	ECLIPSE 50i-TE-4PA	1	EA	\$7009.80	\$7009.80	Nikon Inc.	indef.	N	3
6240015429964	Included W/NSN	Bulb, Halogen	84246	1	EA	\$14.07	\$14.07	Nikon Inc.	indef.	N	3
6650015426063	Included W/NSN	Power cord, grounded three wire	79035	1	EA	\$10.89	\$10.89	Nikon Inc.	indef.	N	3
	Included W/NSN	Case Hardened, shippable, for 50i/55i	92405	1	EA	\$525.00	\$525.00	Nikon Inc.	indef.	N	3

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THE MICROSCOPE

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640000744191	IN THE UA PUSH PACKAGE	Glass Slide	3703-2F	4	72/PG	\$4.37	\$17.48	Elite Med Prod	indef.	N	3
6640006180067	IN THE UA PUSH PACKAGE	Cover Glass Microscope Slide 22X40 MM 1 oz	M6045-4	1	30/PG	\$1.88	\$1.88	Baxter Healthcare Corp	indef.	N	3
6640002999807	IN THE UA PUSH PACKAGE	Immersion Oil Microscopy 1 oz bottle	16484	1	BT	\$3.01	\$3.01	Cargille-Sacher Laboratories Inc	48	N	3

MICROSCOPE OPTICAL LAB (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months
6240015429964	Bulb, Halogen	84246	1	EA	\$14.07	\$14.07	Nikon	indef.
6640000744191	Glass Slide	3703-2F	4	72/PG	\$4.37	\$17.48	Elite Med Prod	indef.
6640006180067	Cover Glass Microscope Slide 22X40 MM 1 oz	M6045-4	1	30/PG	\$1.88	\$1.88	Baxter Healthcare Corp	indef.
6640002999807	Immersion Oil Microscopy 1 oz bottle	16484	1	BT	\$3.01	\$3.01	Cargille-Sacher Laboratories Inc	48

POWER SUPPLY SMART-UPS 1400 TOC

AMERICAN POWER CONVERSION CORPORATION

MODEL #: SUA1500US

Manufacturer's PHONE: (401) 789-5735 FAX: (904) 642-9338

Website:

http://www.apc.com/resource/include/techspec_index.cfm?base_sku=SUA1500

AAC "L" ITEM NSN 6130-01-451-3810

UA's: 4003, 324A; N403

USAMMA POC: Materiel Acquisition Division, 301-619-4060, DSN 343-4060

UNIT PRICE: \$963.73

System Description: This power supply has six output receptacles and is a high speed blocking unit, used to lay out and attach adhesive blocks in optical fabrication. It comes with CD software, Smart UPS signaling RS-232 cable, USB cable, and user manual. It has an uninterruptible power supply that provides 1400 volt and 950 watts; transfer time 2-4 milliseconds with user adjustable transfer point. It recharges to 90% capacity in 1 to 2 hours. Applications are for: Servers, UNIX systems, and Multiple Servers.



POWER SUPPLY SMART-UPS 1400

FRONT AND BACK

MODEL # SUA 1500

NSN # 6130-01-451-3810



SUA OPTIONAL BATTERY



SUA SMARTSLOT

POWER SUPPLY SMART-UPS 1400 PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	8.5 inches
	Width	6.7 inches
	Depth	17.3 inches
Cube		0.570 cu ft
Weight		53 lbs
Operating Temperature Range		32° F to 104° F
Storage Temperature Range		5° F to 113° F
Relative Humidity (in use)		0 to 95% Non-condensing
Relative Humidity (storage)		0 to 95% Non-condensing
Power Requirements		120 Volts 50/60 Hz +/- 3 Hz (auto sensing)
Amps		8.16 amps
Watts		980 watts

POWER SUPPLY SMART-UPS 1400 (START-UP) PACKAGE

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6130014513810	Included W/NSN	Power Supply Smart-Ups	SUA 1500	1	EA	\$963.73	\$963.73	American Power	indef.	N	3
No NSN required	Included W/NSN	CD with software	SFPCBE705	1	EA	Free	Free	American Power	N/A	N	3
No NSN required	Included W/NSN	Smart UPS Signaling RS-232 cable	940-0024	1	EA	\$29.99	\$29.99	American Power	N/A	N	3
No NSN required	Included W/NSN	USB cable	940-0117B	1	EA	\$44.99	\$44.99	American Power	N/A	N	3
7610015437003	Included W/NSN	Operator Manual	990-1062A	2	EA	Free	Free	American Power	N/A	N	3
7610015436723	Included W/NSN	Maintenance Manual	OL232	2	EA	Free	Free	American Power	N/A	N	3

POWER SUPPLY SMART-UPS 1400 OPTIONAL ITEMS

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
No NSN required	SUA Battery	RBC7	1	EA	\$129.99	\$129.99	American Power	N/A	N	3
No NSN required	SUA Battery	AP9607CB	1	EA	\$169.99	\$169.99	American Power	N/A	N	3

POWER SUPPLY SMART-UPS 1400 (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months
NONE								

**ITEMS ARE NO LONGER MANUFACTURED BY THE COMPANY
ITEMS ARE STILL IN STOCK**

REFRIGERATOR MECHANICAL BIOLOGICALS TOC

LAB-LINE INSTRUMENTS INC

MODEL #: 3559

Manufacturer's PHONE: (800) 446-6060 FAX: (563) 589-0516

Website: <http://www.labline.com/labline1.cfm>

ACC "W" ITEM NSN 4110-01-204-2673

ACC "J" ITEM NSN 4110-01-131-2655

UA's: N403

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$3722.40

System Description: Single - Door Refrigerator/Freezer 23" wide

Features:

- 3 Adjustable Shelves, 4 Door shelves
- Adjustable Thermostat 1° C to 10° C (34° F to 50° F) Refrigerator
- Adjustable Thermostat -17° C to -6° C (-1° F to 21° F) Freezer.
- Manual Defrost, White Color



**REFRIGERATOR MECHANICAL
BIOLOGICALS
MODEL # 3559
NSN # 4110-01-131-2655**

REFRIGERATOR MECHANICAL BIOLOGICALS PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	58 inches
	Width	23 inches
	Depth	27.5 inches
Cube		21.22 cu ft
Volume		10 cu ft
Weight	Free Standing	120 lbs
	Shipping	150 lbs
Refrigerator Temperature Range		34° F to 50° F
Freezer Temperature Range		-1° F to 21° F
Operating Temperature Range		N/A
Relative Humidity (in use)		5% to 95%
Power Requirements		120VAC/60Hz
Amps *		3.0 amps
Watts		360 Watts

*** Note: Amps listed are at normal run mode, starting amps may be higher**

REFRIGERATOR MECHANICAL BIOLOGICALS (STARTUP)

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
4110011312655	Included W/NSN	Refrigerator Mechanical Biologicals	3559	1	EA	\$3722.40	\$3722.40	Lab-Line Instruments Inc	indef.	N	3

REFRIGERATOR MECHANICAL BIOLOGICALS (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months
NONE								

ROTATOR LABORATORY TOC

BARNSTEAD INTERNATIONAL

MODEL #: 2314

Manufacturer's PHONE: (563) 556-2241 FAX: (563) 589-0516

Website: <http://www.barnsteadthermolyne.com>

ACC "L" ITEM NSN 6640-01-532-0227

UA's: N403, 504A

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$884.00

System Description: Designed to provide long life and dependable service in a variety of applications, particularly molecular biology, immunology and clinical usage. Ideal for general rotation of many types and sizes of vessels including plastic/glass trays, vials, petri dishes, microwell plates, culture plates, slides, test tubes and agglutination cards. Variable speed, rotates from 40 to 220 rpm for gentle to vigorous agitation, adjustable with a rotary dial. Platforms with non-slip surface mats. Operate rotator in continuous mode or set timer from 1 to 60 minutes for time studies. Continuous-duty motor provides smooth, quiet rotation through a 0.75" (1.9 cm) orbit. Easy-to-clean white silicone platform mat can be autoclaved. Units operate continuously enabling them to be used in a variety of environments such as incubators, warm rooms, environmental chambers and refrigerators. Accommodates loads up to 10 Lbs. (4.5 kg).



ROTATOR LABORATORY

MODEL: # 2314

NSN # 6640-01-532-0227

ROTATOR LABORATORY VARIABLE SPEED PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	4.4 inches
	Width	12.5 inches
	Depth	13.6 inches
Cube		0.43cu ft
Shipping Weight		17 lbs
Speed		40 to 220 rpm
Operating Temperature Range		39.2° F to 104° F
Storage Temperature Range		59° F to 104° F
Relative Humidity (in use)		20 to 80% non-condensing
Relative Humidity (storage)		80% Max. non-condensing
Power Requirements		120VAC 50/60HZ
Amps		0.4 amps
Watts		50 watts

ROTATOR LABORATORY VARIABLE SPEED (START-UP)

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640015320227	Included W/NSN	Rotator laboratory	2314	1	EA	\$884.00	\$884.00	Barnstead International	indef.	N	3
7610015437003		Operators Manual	057-325-00	1	EA	Included W/0227 NSN	Included W/0227 NSN	Barnstead International	N/A	N	3

ROTATOR LABORATORY VARIABLE SPEED (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	DIST/MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
7610015437003	Operators Manual	057-325-00	1	EA	\$30.00	\$30.00	Barnstead International	N/A	N	3